

SNS INCUBATION CENTRE BIT SINDRI, DHANBAD



National Innovation and Start-up Policy 2021

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OVERVIEW

SNS Incubation centre of BIT Sindri is first of its kind as Innovation and Entrepreneurship hub run by BIT Sindri under the state government of Jharkhand. The centre, located at G-11 of IT Building in BIT Campus, is committed to provide exposure to different work environments to its students as well as faculties. It helps students to gain experience of working in a highly evolving and dynamic start-up environment. It provides bright and young innovative mind with space where they can nurture their start-up's ideas and build its prototypes. Incubation centre of BIT Sindri is currently incubating companies started by its students and is open to incubating companies from outside. Our incubation centre is equipped with wet and dry labs and rapid prototyping infrastructure (hardware and software) to support high technology start-ups. It helps to connect the incubatees to right mentors and thus helps to develop and scale up their technology or products and identify their market for legal and intellectual property related guidance.

VISION

- Intended to build a strong ecosystem conducive for the growth of start-up activities in order to drive sustainable economic growth and generate large-scale employment opportunities within the state as well as the nation.

MISSION

- To facilitate start-up activities for the students
- To motivate and inspire students
- To equip them with the necessary skills for implementing innovation and design
- To provide necessary assistance

OBJECTIVE

- To create a start-up ecosystem
- To promote creative thinking and efficient work culture
- To develop communication, marketing and management skills
- To make productive business plans.
- To secure finance through venture capitalists.
- To convert innovations into marketable products

INFRASTRUCTURE AND SUPPORTS FOR INCUBATION

A 2500 sq. ft. Space fully equipped with furniture, computers, classroom, conference hall, meeting room, incubatees sitting space and other modern utilities in a single house. It can accommodate more than 40 incubatees at a single time. The centre is dedicated to help the student community and graduate start-ups and help entrepreneurs turn ideas into viable businesses.

BASIC INCUBATION FACILITIES:

Incubatees could have access to office equipment, including PCs, laptop access points, phones and standard office furniture available inside the Centre.

- Co-working/ Individual office space with office furniture, storage space and air-conditioning.
- Unlimited 24x7x365, Wi-Fi, LAN connectivity with desktop computers.
- Centre provides basic stationery requirements common printing & scanning facilities and others.
- Conference halls and Institute auditoriums
- Access to Institute Library.
- Cafeteria space

LABORATORY AND TECHNICAL FACILITIES:

Centre for Excellence Lab by Siemens is open for all the incubators for the purpose of research and development, with its following fourteen fully functioning and highly equipped laboratory.

1. Advanced manufacturing lab
2. Automation lab
3. Automobile body paint
4. Automobile body repair
5. CNC workshop
6. Electrical & Energy Study lab
7. Lift maintenance
8. Mechatronics lab
9. NC programming lab
10. PI lab
11. Product design & validation lab
12. Rapid prototyping lab
13. Robotics lab
14. Testing & opt. Lab

MENTORING OF START-UP:

This unique mentoring initiative is envisaged to complement classroom learning, and for budding entrepreneurs to expand their networks and obtain critical and immediate feedback on their ventures and venture ideas. A combination of monthly group mentoring (team consists of alumni and faculties) and individualized sessions are arranged for the students. The incubating companies may assist by:

- Mentoring by Entrepreneurs
- Seed Funding
- Pitching Opportunities
- Networking with Experts
- Deferred Placement Policy

EDUCATION AND TRAINING

- Kick-Start to a New Venture
- Critical Success Factors in New Ventures
- Case studies
- Business Idea Generation and Screening
- Opportunity Recognition and Evaluation
- Business Model Generation / B-Plan Preparation

AWARENESS INITIATIVES FOR START-UP ECOSYSTEM DEVELOPMENT

- Regular entrepreneurship week and talk session
- Taking part in government started initiatives for entrepreneurs
- Motivating students for start-up ecosystem
- EAC (Entrepreneur Awareness Camp in association with IIT(ISM) & ABVIL)

SALIENT FEATURE OF INCUBATION POLICY

ELIGIBILITY

Admission for Incubation is open to:

- All Engineering Graduates of BIT
- Faculty members (current and the past)& Permanent Staffs
- Alumni
- BIT's R&D partners/ Research Partner Institute (sponsors of R&D and consultancy projects)
- Government agencies associated with BIT Sindri research and innovations
- All Engineering and Non -Engineering Graduates of our country (registered in Jharkhand
- Society at Large

The proposals or application for incubation must meet with one or more of the following parameters:

- Proposals with Intellectual Properties (IP) generated within BIT Sindri and transferred to the company for consideration
- Proposals with IP belonging to faculty, student or alumni (created outside BIT)
- Proposals with potentials for strong identifiable involvement or interaction with BIT faculty with/without the usage of BIT facilities

APPLICATION FOR INCUBATION/ PROCEDURE TO REGISTER/ APPLY FOR INCUBATION SPACE AT SNS INCUBATION CENTRE, BIT SINDRI

"Whether you're just exploring or are ready to take a deep dive, Incubation centre of BIT Sindri helps you on your journey toward entrepreneurial development".

We encourage budding entrepreneurs to apply to our incubation centre for incubation. We aim to focus on incubation support to "technology" start-ups. However, we are open to exploring ideas in other fields and will be happy to evaluate your business plan.

At the opening level, applicants for admission in SNS Incubation Centre will be required to submit a Pre-Admission Response Sheet (PARS), which can be availed from our office or can be downloaded from our website. The SNSIC team will scrutinize the PARS internally.

1. One can send filled e-APPLICATION (and business plan) to snsic@incubation.bitsindri.ac.in, entrepreneurialcell@bitsindri.ac.in or, prakashkr.prod@bitsindri.ac.in and hard copy to the office of SNS Incubation Centre, BIT Sindri.

2. The application consists of complete proposal and brief profile of the company/Start-ups

3. The Business Plan and Proposal must include:

Problems and people requirements

Value proposition - how one can solve a customer's problem

Enablers - the magical technology or business model innovation that differentiates one's idea of business

Revenue model/Generation - how one can make money, pricing etc?

Sales and Marketing Strategy - how incubatees plan to spread the business world about his/her solution, how would they sell it?

Management Team - main team members and advisors

Financial projections - cash flow projections - expenses and revenues. How much money they need to raise an investment? When would they start breaking even operationally?

Customer Relationship: How to connect

Key Resources of the Company

Key Partners and Suppliers

Major/ Key Activities: Development and deployment of Useful Technology

4. After review from SNS internal as well as external committee, the space will be allotted to the incubatees/ start-ups/company.

5. Incubatee office space includes: 1 Desk, 1 Seat, Filing Cabinet, Electricity, Secure Wi- Fi, Access to all Departmental Laboratories, Centre of Excellence: Siemens Lab, Nano Technology Lab, IoT Lab etc., Access to Printers, Scanner and Copiers, Conference Room, Restroom Facility, Cafeteria and 24 hours access.

Monthly rent ₹1000/- for one Seat and

₹3000/- for one cubical space/ unit (4 seats, 4 desks, 4 filing cabinets etc.)

Rent period: 11 months

No charges for students and faculty members

Terms: The startup/ incubatee/company will have to abide by the terms and conditions of SNS Incubation Centre.

The agreement allows the incubatee/ startup/ company to use the allotted space as registered office for his/their startup/incubatee/company.

Any incubatee/ Startup/ company, who have registration under Jharkhand Government, can apply for it.

INCUBATION OFFERED

Based on the initial scrutiny of PARS and affirmative assessment, applicants will be asked to submit a formal application for admission in SNSIC along with a detailed proposal.

Once reviewed and judged by experts, applicants are invited for an initial meeting with the expert of Incubation Centre. The applicants are referred to a relevant program process after the preliminary assessment.

The following stages in which an incubation of a start-up can start in our centre

A. For the Ideation stage

- Potential entrepreneur, no clarity on domain/ idea/ career.

B. For the pre-incubation stage

- Idea validation stage to Proof of Concept (POC)

C. For the incubation stage

- From POC to Business

D. For Acceleration/ Growth stage

- Scale-up of proven business

BROAD AREAS

Different Sectors where incubation can be provided are among, but not limited to:

- Earth System Sciences (including Mining, Petroleum, Mineral, Geo-Physics, etc.)
Information and Communication Technology
- Augmented Reality, Big Data and Analytics, Image processing and Recognition
Cloud Computing
- Cyber Security, Artificial Intelligence and Machine Learning
- Medical Device and Health Care
- Affordable and Renewable Energy
- Clean and Portable Water
- Sanitation, Waste Management
- ICT and IOT
- Smart, Energy and Functional Materials
- Affordable Healthcare, Early detection of diseases, Drug design Water & Sewage
Management
- Green Technology, Clean Energy, Renewable Energy and Non- Renewable Energy
Sources

National Innovation and Start-up Policy 2021 for Faculty/Student

1. At BIT Sindri product development and commercialization and nurturing of start-ups is critical and would now be added to the bucket of faculty-duties
2. At BIT Sindri performance evaluation policies for faculty will award weight to faculty participation and mentoring of start-ups.(According to 7th pay -360° feedback)
3. We at BIT Sindri ensure that at no stage any liability (Disclaimer Agreement signed)accrue to it because of any activity of any startup.
4. When BIT Sindri facilities / funds are used substantially or when IPR is developed as a part of curriculum/ academic activity, IPR is to be jointly owned by inventors and the institute.
5. On the other hand, if product/ IPR is developed by innovators not using any BIT Sindri facilities, outside office hours (for staff and faculty) or not as a part of curriculum by student, then product/ IPR will be owned by inventors (in proportion to the contributions made by them) and BIT Sindri as a facilitator.
6. If there is a dispute in ownership, a minimum five membered committee consisting of two faculty members, two of the BIT Sindri alumni/ industry experts and one legal advisor with experience in IPR, will examine the issue after meeting the inventors and help them settle this, hopefully to everybody's satisfaction.
7. BIT Sindri allows faculty and staff to take off for a semester / year as sabbatical (max 2 years)/ unpaid leave/ casual leave/ earned leave for working on start-ups and come back, subject to approval from Department of Higher Technical Education & Skill Development, Govt. Of Jharkhand.
8. BIT Sindri IPR cell or incubation centre will only be a coordinator and facilitator for providing services to faculty, staff and students. They will have a say on how the invention is carried out.

9. The decision-making body at BIT Sindri with respect to incubation / IPR / technology- licensing will consist of faculty and experts who have excelled in technology translation.
10. At BIT Sindri, an interdisciplinary research and publication (weightage of 5% in Performance Evaluation) on start-up and entrepreneurship is encouraged.
11. BIT Sindri is focused on building a strong culture of innovation and entrepreneurship and assign duties to faculty members and staff (min.1% of total recruitments) with ample technical experience, behaviour and attitude.
12. At BIT Sindri, Faculty and departments have to work in coherence and develop cross-departmental linkages through shared faculty, cross-faculty teaching and research in order to gain maximum utilization of internal resources and knowledge.
13. BIT Sindri encourages periodically some external subject matter experts such as guest speakers from the industry or alumni for strategic advice.
14. At BIT Sindri, Faculty and staff (involved in start-ups) are encouraged to do courses on innovation, entrepreneurship management (min one in an academic session) and venture development.
15. BIT Sindri has established Institution's Innovation Council (IIC) as per the guidelines of MHRD's Innovation Cell and has allocated appropriate budget for its activities. IIC conducts various activities related to innovation, start-up and entrepreneurship development.
16. For better coordination of the entrepreneurial activities, norms for faculty to initiate start-ups should be created by the institutes. Only those technologies should be taken for faculty start-ups, which originate from within the same institute.
 - i. Role of faculty may vary from being an owner/ direct promoter, mentor, consultant or as on-board member of the start-up.
 - ii. Institutes is taking into notice on 'conflict of interests' to ensure that the regular duties of the faculty don't suffer owing to his/her involvement in the start-up activities.
 - iii. Faculty start-up may consist of faculty members alone or with students or with faculty of other institutes or with alumni or with other entrepreneurs.
17. In case the faculty/ staff hold the executive or managerial position for more than three months in a start-up, they will go on sabbatical/ leave without pay/ utilize existing leave. (Subjected to approval from Department of Higher Technical education & Skill Development, Govt. Of Jharkhand)
18. In case of selection of a faculty start up by an outside national or international accelerator, a maximum leave (as sabbatical/ existing leave/ unpaid leave/ casual leave/ earned leave) of one semester/ year or, even more (depending upon the approval from Department of Higher Technical education & Skill Development, Govt. Of Jharkhand)) may be permitted to the faculty.

LIST OF SNSIC INTERNAL MEMBERS

Name	Designation	Discipline	Email	Contact No.
Prof. D.K. Singh	Chairman	Director BIT Sindri	director@bitsindri.ac.in	9431445854
Dr. Prakash Kumar	Prof. in Charge, Innovation, Incubation & IP	Production	Prakashkr.prod@bitsindri.ac.in	9431340536
Dr. R.P. Gupta	Co-Coordinator	Electrical	rgupta@bitsindri.ac.in	8340432424
Dr. Arvind Kumar	Co-Coordinator	ECE	aksingh738@gmail.com	8986567899
Dr. S Hembram	Member	Metallurgy	hembromsangram@gmail.com	9798427706
Mr. Kashif HasanKazmi	Member	Production	kashifhasankazmi@gmail.com	9113775711
Mr. Mukesh Chandra	Member	Production	mukesh.prod@bitsindri.ac.in	8404995995
Mr. Anand Kumar	Member.	Production	ak204204@gmail.com	7253046056
Mr. Rakesh Rohan	Member	Electrical	rrohanjd@gmail.com	7209750913
Mr. Biswaranjan Mishra	Member	Electrical	biswaranjan.ee@gmail.com	9437274388
Dr. Arvind Singh	Member	Chemical	indian.arvi@gmail.com	7571993333

LIST OF SNSIC EXTERNAL MEMBERS AND MENTORS

Sl. No.	Name	Designation	Start-up/Org.	Email	Contact No.
1	Ms. Kumud Sharma	CEO	Super Seva Services Pvt. Ltd. Bangalore	kumud@superseva.com	9945239351
2.	Mr. Sourav Karmakar	Managing Director	iB Arts Pvt Ltd	sourav@ibarts.in	7004325512
3.	Mr. Vikash kr. Prajapati	Co-founder	Putoos Graphics and Math-e-Magic	vkpajeet@gmail.com	993418653
4	Mr. Ravi SinghChoudhary	Director	Sampurn Krishi Utthaan foundation	rsc.bitsindri@gmail.com	7004961425 8294009404

5	Dr. Pankaj Mishra	Associate Professor & Associate Dean, Innovation & Incubation	IIT(ISM) Dhanbad	pankaj@iitism.ac.in	9470194401
6	Mr. Sumit Kumar	Vice President, Operations	ABVIL, Ranchi	sumitk@iima.ac.in sumit.kumar.pgp2011@gmail.com	9905679258
7	Mr. Sujeet Srivastava	Founder, CEO	ARENYAM Technologies	sujeetbits@gmail.com	8888852558
8	Md. Sajid Hussain	Director	Director Mount Everest Learning Foundation	mshussain24@gmail.com	9113104690
9	Mr. Rajesh Jha	Director	Aggregate Innovations Pvt Ltd	rajesh@aggregateindia.com	8008802447
10	Dr. Santosh Ansumali	Associate professor	JNCASR, Banglore	ansumali@jncasr.ac.in	9449799801
11	Prof. Vinay Sharma	Professor in Charge, Innovation Cell	BIT Mesra (Off Campus Deoghar)	vinay1970@gmail.com	9431382632
12	Mr. Gaurav Singh	Co-founder	Myperfectice	gaurav@myperfectice.com	9434776350

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11/6/2021

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Prakash
11-6-21

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Approved

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